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Figure 1

Diagram illustrating the experimental setup for measuring the effect of temperature on the rate of reaction between hydrogen peroxide and potassium iodide.

The diagram shows two test tubes labeled A and B, each containing a solution of hydrogen peroxide and potassium iodide. The test tubes are placed in a water bath maintained at different temperatures: Test Tube A is in a water bath at 20°C, and Test Tube B is in a water bath at 30°C. The reaction mixture in Test Tube B is shown to react more rapidly than in Test Tube A, as indicated by the faster appearance of a brown precipitate.

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